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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,829	10/23/2001	Radislav Alexandrovich Potyrailo	RD-28307	9182

6147 7590 03/17/2003

GENERAL ELECTRIC COMPANY  
GLOBAL RESEARCH CENTER  
PATENT DOCKET RM. 4A59  
PO BOX 8, BLDG. K-1 ROSS  
NISKAYUNA, NY 12309

EXAMINER

JOLLEY, KIRSTEN

ART UNIT	PAPER NUMBER
1762	8

DATE MAILED: 03/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/682,829	POTYRAILO ET AL.
	Examiner Kirsten Crockford Jolley	Art Unit 1762

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 03 January 2003.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-31 and 33-51 is/are pending in the application.

4a) Of the above claim(s) 27-31, 33, 35, 43, 45, 47 and 49-51 is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-26, 32, 34, 36-42, 44, 46, 48 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) Other: \_\_\_\_\_

## **DETAILED ACTION**

1. Claims 1-31 and 33-51 are pending in the application. Claims 27-31, 33, 35, 43, 45, 47, and 49-51 have been withdrawn as being directed to a non-elected invention.

### ***Information Disclosure Statement***

2. The Examiner notes that, in the information disclosure statement filed December 12, 2001, copies of the Freud reference, Dickinson reference, Ballantine reference, Smith reference, *Organic Coatings* reference, *Surface Coatings Vol 2* reference, and *Coating technology handbook* reference were not located in the file, therefore the information referred to therein has not been considered and the references have been crossed through on the submitted PTO-1449. If Applicant submits copies of these references, then the information therein will be considered by the Examiner.

### ***Response to Arguments***

3. The claim objections and 35 USC 112, 2<sup>nd</sup> paragraph rejections set forth in the prior Office action have been withdrawn in response to the amendments to the claims.

4. Applicant's arguments filed January 3, 2003 have been considered, however they are not persuasive.

The claims were amended to require "a curing system operative to apply at least one of a plurality of curing environments *simultaneously* to each of a plurality of regions associated with the at least one coating layer [emphasis added]" or "selectively applying at least one of a

plurality of curing environments *simultaneously* to each of a plurality of regions associated with the at least one coating layer [emphasis added]”. Applicant argues that Schultz et al. does not disclose these amended limitations. The Examiner disagrees.

Schultz et al. teaches at col. 26, lines 27-50, “Once the array of components has been delivered to predefined regions on the substrate, the components can be simultaneously reacted using a number of different synthetic routes. … Such techniques can be applied directly to a given predefined region on the substrate or, alternatively, to all of the predefined regions on the substrate in a simultaneous fashion.” Therefore, Schultz et al. clearly teaches a curing system and method of curing where a curing environment is simultaneously applied to each of a plurality of regions associated with the at least one coating layer.

With respect to claim 11, Schultz et al. teaches at col. 27, lines 29-48, “the predefined regions on a substrate can be subjected to different reaction temperatures by independently heating the predefined regions using a thin-film resistive element. … The resistive element is deposited, for example, in strips along the rows or columns of predefined regions. … The temperature of the predefined regions can be regulated by varying the power input to a given strip.”

### ***Claim Objections***

5. Claim 36 is objected to because of the following informalities: In line 6 of claim 36, it is noted that “simultaneously” is misspelled. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

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6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-11, 16, 21-22, 25, 34, 36-41, 46, and 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Schultz et al. (US 6,004,617).

The claims are rejected for the same reasons set forth in the prior Office action, as well as for the reasons discussed above in paragraph 4.

8. Claims 19, 20, 26, and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schultz et al. as applied to claims 1-11, 16, 21-22, 25, 34, 36-41, 46, and 48 above, and further in view of the admitted state of the art.

The claims are rejected for the same reasons set forth in the prior Office action, as well as for the reasons discussed above in paragraph 4.

9. Claims 12-15, 17-18, and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schultz et al. as applied to claims 1-11, 16, 21-22, 25, 34, 36-41, 46, and 48 above, and further in view of Courtney et al. (US 4,390,615).

The claims are rejected for the same reasons set forth in the prior Office action, as well as for the reasons discussed above in paragraph 4.

10. Claims 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schultz et al. as applied to claims 1-11, 16, 21-22, 25, 34, 36-41, 46, and 48 above, and further in view of Poullas et al. (US 5,200,230).

The claims are rejected for the same reasons set forth in the prior Office action, as well as for the reasons discussed above in paragraph 4.

***Conclusion***

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kirsten Crockford Jolley whose telephone number is 703-306-5461. The examiner can normally be reached on Monday to Thursday and every other Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on 703-308-2333. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1193.

*KCJ*  
kcj

March 12, 2003

*SPB*  
SHRIVE P. BECK  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 1700